

Ophthalmic Goods Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
339115, Ophthalmic goods manufacturing	2002..	488	559	21 086	845 614	14 103	27 085	441 478	2 794 320	1 487 201	4 250 579	171 711
	2001..	N	N	23 766	867 963	17 031	31 196	456 552	2 766 217	1 603 843	4 356 197	264 367
	2000..	N	N	26 059	862 103	17 989	34 246	459 175	2 901 998	1 479 759	4 320 909	291 204
	1999..	N	N	27 413	860 468	18 592	35 645	459 255	2 815 323	1 329 087	4 129 661	296 110
	1998..	N	N	25 499	786 627	17 073	33 371	416 556	2 448 136	1 152 004	3 540 426	296 966
	1997..	520	573	25 274	770 994	16 982	33 503	404 597	2 387 162	1 096 286	3 497 595	213 706

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339115, Ophthalmic goods manufacturing												
United States	2	559	173	21 086	845 614	14 103	27 085	441 478	2 794 320	1 487 201	4 250 579	171 711
California	5	72	21	2 827	116 616	1 969	3 867	55 422	389 043	322 674	701 156	28 712
Colorado	4	14	3	177	6 152	118	224	2 998	19 352	8 612	27 968	1 249
Connecticut	1	5	3	232	7 886	165	279	4 621	15 432	21 257	37 080	2 573
Florida	—	36	10	3 038	173 327	1 542	3 385	64 603	641 156	103 490	755 917	35 103
Illinois	2	24	6	965	37 474	567	1 069	16 036	64 818	40 467	103 986	12 044
Kansas	3	7	5	224	8 047	153	272	3 937	22 422	10 334	32 756	1 682
Massachusetts	—	19	9	1 475	54 754	1 051	1 748	30 902	122 710	68 350	193 383	12 568
Michigan	2	18	6	398	14 964	204	364	5 578	33 973	15 559	49 712	2 489
Minnesota	4	16	12	1 103	35 925	790	1 662	22 541	118 633	67 943	188 380	7 684
Nevada	5	3	2	139	4 742	63	104	1 760	13 733	10 635	23 111	1 159
New Jersey	3	18	7	458	16 515	342	629	9 458	44 801	19 255	64 298	1 712
New York	1	45	17	1 827	73 135	1 243	2 538	38 295	230 294	89 335	320 271	6 407
Ohio	3	28	9	607	17 956	407	760	9 529	44 901	35 818	80 309	4 995
Oregon	1	12	4	226	7 238	181	281	4 774	19 354	9 933	29 677	860
Pennsylvania	1	35	7	671	19 245	533	867	13 144	62 011	24 052	86 312	2 951
Rhode Island	8	7	3	575	23 516	393	772	12 036	88 865	35 370	124 141	6 506
Tennessee	2	16	8	517	13 785	247	437	6 002	44 902	25 620	70 536	2 358
Texas	6	25	8	1 231	38 345	898	1 796	23 199	107 607	61 010	168 459	8 513
Virginia	7	12	4	815	24 998	609	1 148	14 719	87 830	36 413	118 283	6 445
Washington	5	12	4	306	10 606	220	440	5 800	28 644	16 499	45 151	1 656

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
339115, Ophthalmic goods manufacturing	
Companies ¹	number.. 488
All establishments ²	number.. 559
Establishments with 1 to 19 employees	number.. 386
Establishments with 20 to 99 employees	number.. 128
Establishments with 100 employees or more	number.. 45
All employees ³	number.. 21 086
Total compensation	\$1,000.. 1 076 668
Annual payroll	\$1,000.. 845 614
Total fringe benefits	\$1,000.. 231 054
Production workers, average for year	number.. 14 103
Production workers on March 12	number.. 14 533
Production workers on May 12	number.. 13 249
Production workers on August 12	number.. 14 394
Production workers on November 12	number.. 14 213
Production worker hours	1,000.. 27 085
Production worker wages	\$1,000.. 441 478
Total cost of materials	\$1,000.. 1 487 201
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 164 410
Resales	\$1,000.. 262 532
Purchased fuels	\$1,000.. 2 930
Purchased electricity	\$1,000.. 33 586
Contract work	\$1,000.. 23 743
Quantity of electricity purchased for heat and power	1,000 kWh.. 500 033
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 4 250 579
Primary products value of shipments	\$1,000.. 3 854 723
Secondary products value of shipments	\$1,000.. 62 916
Total miscellaneous receipts	\$1,000.. 332 940
Value of resales	\$1,000.. 306 745
Contract receipts	\$1,000.. 20 756
Other miscellaneous receipts	\$1,000.. 5 439
Primary products specialization ratio	percent.. 98
Value of primary products shipments made in all industries	\$1,000.. 3 879 363
Value of primary products shipments made in this industry	\$1,000.. 3 854 723
Value of primary products shipments made in other industries	\$1,000.. 24 640
Coverage ratio	percent.. 99
Value added	\$1,000.. 2 794 320
Total inventories, beginning of year	\$1,000.. 505 758
Finished goods inventories	\$1,000.. 350 527
Work-in-process inventories	\$1,000.. 28 182
Materials and supplies inventories	\$1,000.. 127 049
Total inventories, end of year	\$1,000.. 527 195
Finished goods inventories	\$1,000.. 376 061
Work-in-process inventories	\$1,000.. 33 590
Materials and supplies inventories	\$1,000.. 117 544
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 591 977
Total capital expenditures (new and used)	\$1,000.. 171 711
Buildings and other structures (new and used)	\$1,000.. 37 043
Machinery and equipment (new and used)	\$1,000.. 134 668
Automobiles, trucks, etc., for highway use	\$1,000.. 4 983
Computers and peripheral data processing equipment	\$1,000.. 16 083
All other expenditures for machinery and equipment	\$1,000.. 113 602
Total retirements	\$1,000.. 98 276
Gross value of depreciable assets at end of year	\$1,000.. 1 665 412
Depreciation charges during year	\$1,000.. 152 302
Total rental payments	\$1,000.. 54 493
Buildings and other structures	\$1,000.. 33 254
Machinery and equipment	\$1,000.. 21 239
Total other expenses ⁴	\$1,000.. 176 070
Response coverage ratio ⁵	percent.. 59
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 32 211
Communications services ⁴	\$1,000.. 6 151
Legal services ⁴	\$1,000.. 1 340
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 226
Advertising and promotional services ⁴	\$1,000.. 70 007
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 5 439
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 412
Management consulting and administrative services ⁴	\$1,000.. 3 133
Taxes and license fees ⁴	\$1,000.. 1 902
All other expenses ⁴	\$1,000.. 53 250

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339115, Ophthalmic goods manufacturing											
All establishments	2	559	21 086	845 614	14 103	27 085	441 478	2 794 320	1 487 201	4 250 579	171 711
Establishments with—											
1 to 4 employees	8	245	f	D	D	D	D	D	D	D	D
5 to 9 employees	6	72	467	16 892	313	607	8 403	54 571	26 182	80 718	3 967
10 to 19 employees	3	69	981	32 637	667	1 279	17 022	90 902	45 353	136 222	5 646
20 to 49 employees	2	92	2 922	99 189	1 951	3 601	50 148	281 213	134 466	416 226	19 006
50 to 99 employees	2	36	2 438	80 078	1 640	3 006	41 831	204 468	145 094	351 843	15 180
100 to 249 employees	5	27	3 860	134 845	2 517	5 004	68 688	391 753	226 830	616 700	24 793
250 to 499 employees	2	12	4 239	159 328	3 068	5 829	93 158	598 040	282 682	866 878	28 529
500 to 999 employees	2	5	3 250	152 967	2 480	4 616	99 522	546 770	528 122	1 045 395	40 062
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	249	670	24 764	468	843	12 519	79 875	35 261	115 050	5 849

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
339115	Ophthalmic goods manufacturing	559	21 086	845 614	14 103	27 085	441 478	2 794 320	1 487 201	4 250 579	171 711
3391151	Ophthalmic fronts and temples	6	311	11 943	116	220	3 139	30 705	12 148	42 361	1 728
3391153	Ophthalmic glass focal lenses	6	469	13 319	334	672	9 475	34 689	30 921	65 798	1 200
3391155	Ophthalmic plastics focal lenses	48	4 029	117 822	3 165	6 080	82 817	347 556	226 251	576 045	23 724
3391157	Contact lenses	29	6 604	344 974	4 061	8 281	174 418	1 325 697	592 498	1 885 055	62 491
339115B	Other ophthalmic goods and prescription ground eyeglass lenses	88	6 441	243 621	4 204	7 856	115 548	739 681	483 831	1 224 317	57 851

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339115	Ophthalmic goods manufacturing	2002.. N 1997.. N	X X	X X	3 879 363 3 236 650
3391151	Ophthalmic fronts and temples	2002.. N 1997.. N	X X	X X	67 644 92 719
33911511	Ophthalmic fronts and temples	2002.. N 1997.. N	X X	X X	65 305 91 107
3391151101	Ophthalmic plastics finished fronts	2002.. 11 1997.. 10	X X	X X	26 693 38 447
3391151106	Other ophthalmic finished fronts	2002.. 11 1997.. 8	X X	X X	27 140 36 413
3391151121	Ophthalmic temples	2002.. 7 1997.. N	X X	X X	11 472 N
3391151Y	Ophthalmic fronts and temples, nsk	2002.. N 1997.. N	X X	X X	2 339 1 612
3391151YVV	Ophthalmic fronts and temples, nsk	2002.. N 1997.. N	X X	X X	2 339 1 612
3391153	Ophthalmic glass focal lenses	2002.. N 1997.. N	X X	X X	59 366 98 397
33911531	Ophthalmic glass focal lenses	2002.. N 1997.. N	X X	X X	58 271 97 835
3391153101	Ophthalmic single-vision glass eyeglass lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. 10 1997.. 22	X X	X X	23 353 32 776
3391153106	Ophthalmic multifocal glass eyeglass lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. 16 1997.. 18	X X	X X	34 918 65 059
3391153Y	Ophthalmic glass focal lenses, nsk	2002.. N 1997.. N	X X	X X	1 095 562
3391153YVV	Ophthalmic glass focal lenses, nsk	2002.. N 1997.. N	X X	X X	1 095 562
3391155	Ophthalmic plastics focal lenses	2002.. N 1997.. N	X X	X X	480 605 609 618
33911551	Ophthalmic single-vision plastics eyeglass lenses (including semifinished, ground and polished, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. N 1997.. N	X X	X X	209 045 234 213
3391155101	Ophthalmic single-vision plastics eyeglass lenses (including semifinished, ground and polished, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. 34 1997.. 37	X X	X X	209 045 234 213
33911552	Ophthalmic multifocal plastics eyeglass lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. N 1997.. N	X X	X X	218 228 363 425
3391155206	Ophthalmic multifocal plastics eyeglass lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding prescription ground eyeglass lenses and molded lens blanks	2002.. 27 1997.. 30	X X	X X	218 228 363 425
3391155Y	Ophthalmic plastics focal lenses, nsk	2002.. N 1997.. N	X X	X X	53 332 11 980
3391155YVV	Ophthalmic plastics focal lenses, nsk	2002.. N 1997.. N	X X	X X	53 332 11 980
3391157	Contact lenses	2002.. N 1997.. N	X X	X X	1 852 962 1 335 186
33911571	Conventional (hard) contact lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding molded lens blanks	2002.. N 1997.. N	X X	X X	36 886 60 388
3391157101	Conventional (hard) contact lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding molded lens blanks	2002.. 17 1997.. 23	X X	X X	36 886 60 388
33911572	Soft contact lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding molded lens blanks	2002.. N 1997.. N	X X	X X	1 811 558 1 274 798
3391157206	Soft contact lenses (including semifinished lenses, ground and polished lenses, and finished lenses), excluding molded lens blanks	2002.. 21 1997.. 22	X X	X X	1 811 558 1 274 798
3391157Y	Contact lenses, nsk	2002.. N 1997.. N	X X	X X	4 518 —
3391157YVV	Contact lenses, nsk	2002.. N 1997.. N	X X	X X	4 518 —
339115B	Other ophthalmic goods and prescription ground eyeglass lenses	2002.. N 1997.. N	X X	X X	1 048 991 786 957
339115B1	Other ophthalmic goods and prescription ground eyeglass lenses, excluding retailing prescription eyeglasses in combination with the grinding of the eyeglass lenses to order on the premises	2002.. N 1997.. N	X X	X X	979 730 701 506
339115B125	Prescription ground eyeglass lenses, excluding retailing prescription eyeglasses in combination with the grinding of the eyeglass lenses to order on the premises	2002.. 30 1997.. 25	X X	X X	118 146 127 853
339115B101	Industrial eye protectors, goggles, mountings, and welding circles and plates	2002.. 13 1997.. 16	X X	X X	140 531 158 194

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339115	Ophthalmic goods manufacturing—Con.				
339115B	Other ophthalmic goods and prescription ground eyeglass lenses—Con.				
339115B1	Other ophthalmic goods and prescription ground eyeglass lenses, excluding retailing prescription eyeglasses in combination with the grinding of the eyeglass lenses to order on the premises—Con.				
339115B106	Ready-made ant glare glasses, including reading glasses, sunglasses, and sungoggles	2002.. 21	X	X	512 912
		1997.. 14	X	X	332 651
339115B117	Other ophthalmic goods	2002.. 29	X	X	208 141
		1997.. N	X	X	N
339115BY	Other ophthalmic goods and prescription ground eyeglass lenses, nsk	2002.. N	X	X	69 261
		1997.. N	X	X	85 451
339115BYWV	Other ophthalmic goods and prescription ground eyeglass lenses, nsk	2002.. N	X	X	69 261
		1997.. N	X	X	85 451
339115W	Ophthalmic goods manufacturing, nsk, total	2002.. N	X	X	369 795
		1997.. N	X	X	313 773
339115WY	Ophthalmic goods manufacturing, nsk, total	2002.. N	X	X	369 795
		1997.. N	X	X	313 773
339115WYWW	Ophthalmic goods manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	272 588
		1997.. N	X	X	218 001
339115WYWY	Ophthalmic goods manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	97 207
		1997.. N	X	X	95 772

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3391151	Ophthalmic fronts and temples	
	United States 2002 ..	67 644
	..... 1997 ..	92 719
	California 2002 ..	4 961
	..... 1997 ..	N
3391153	Ophthalmic glass focal lenses	
	United States 2002 ..	59 366
	..... 1997 ..	98 397
	California 2002 ..	6 207
	..... 1997 ..	10 303
	Oregon 2002 ..	3 115
	..... 1997 ..	N
3391155	Ophthalmic plastics focal lenses	
	United States 2002 ..	480 605
	..... 1997 ..	609 618
	California 2002 ..	124 993
	..... 1997 ..	361 870
	Minnesota 2002 ..	81 123
	..... 1997 ..	66 259
	Ohio 2002 ..	21 803
	..... 1997 ..	8 597
	Pennsylvania 2002 ..	19 592
	..... 1997 ..	11 587
3391157	Contact lenses	
	United States 2002 ..	1 852 962
	..... 1997 ..	1 335 186
	Texas 2002 ..	7 337
	..... 1997 ..	N
339115B	Other ophthalmic goods and prescription ground eyeglass lenses	
	United States 2002 ..	1 048 991
	..... 1997 ..	786 957
	California 2002 ..	278 086
	..... 1997 ..	284 646
	Florida 2002 ..	44 117
	..... 1997 ..	35 061
	Illinois 2002 ..	4 362
	..... 1997 ..	N
	Massachusetts 2002 ..	73 171
	..... 1997 ..	78 038
	Minnesota 2002 ..	45 212
	..... 1997 ..	24 978
	New Jersey 2002 ..	33 583
	..... 1997 ..	N
	New York 2002 ..	69 644
	..... 1997 ..	72 231
	Ohio 2002 ..	10 370
	..... 1997 ..	15 585
	Pennsylvania 2002 ..	36 605
	..... 1997 ..	21 892
	Texas 2002 ..	68 625
	..... 1997 ..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
339115	Ophthalmic goods manufacturing		
00900001	Total materials .....2002..	X	1 164 410
	.....1997..	X	831 229
00190037	Lens blanks, optical and ophthalmic.....2002..	X	147 703
	.....1997..	X	N
33331403	Lenses and prisms for optical instruments and sighting and fire control equipment .....2002..	X	D
	.....1997..	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	87 558
	.....1997..	X	62 254
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	29 280
	.....1997..	X	51 800
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	D
	.....1997..	X	D
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	616 034
	.....1997..	X	429 098
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	202 394
	.....1997..	X	238 347

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.